Multiplication (use Distributive Property)

1. Match the equal expressions.

(5 × 4) + (3 × 4)

(5 × 4) + (1 × 4)
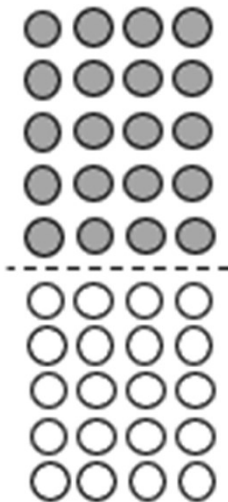
(5 × 4) + (4 × 4)

(5 × 4) + (2 × 4)

9 × 4

36

8 × 4

32

6 × 4

24

7 × 4

28

2. Nolan draws the array below to find the answer to the multiplication expression 10 × 4. He says, "10 × 4 is just double 5 × 4." Explain Nolan's strategy.

Multiplication (use Distributive Property)

Match the equal expressions.

(5 × 4) + (3 × 4)

(5 × 4) + (1 × 4)

(5 × 4) + (4 × 4)

(5 × 4) + (2 × 4)

9 × 4

36

8 × 4

32

6 × 4

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7 × 4

28

Nolan draws the array below to find the answer to the multiplication expression 10 × 4. He says, "10 × 4 is just double 5 × 4!" Explain Nolan's strategy.

5 x 4 = 20

5 x 4 = 20

20 + 20 = 40

5x4 = 20 and 20 + 20 = 40. If I know 5x4 = 20, then I can double the answer and I will know 10x4 = 40 because 10 is the double of 5.